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**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/017,735**DATE: 06/26/98
TIME: 13:43:14**INPUT SET: S27004.raw**

**This Raw Listing contains the General
Information Section and up to the first 5 pages.**

1 **SEQUENCE LISTING**
2
3 (1) **General Information**
4
5 (i) **APPLICANT:** Grey, Howard M.
6 Sette, Alessandro
7 Sidney, John
8 Southwood, Scott
9
10 (ii) **TITLE OF THE INVENTION:** HLA-A2.1 Binding Peptides
11 and Their Uses
12
13 (iii) **NUMBER OF SEQUENCES:** 189
14
15 (iv) **CORRESPONDENCE ADDRESS:**
16 (A) **ADDRESSEE:** Townsend and Townsend and Crew LLP
17 (B) **STREET:** Two Embarcadero Center, Eighth Floor
18 (C) **CITY:** San Francisco
19 (D) **STATE:** CA
20 (E) **COUNTRY:** USA
21 (F) **ZIP:** 94111-3834
22
23 (v) **COMPUTER READABLE FORM:**
24 (A) **MEDIUM TYPE:** Diskette
25 (B) **COMPUTER:** IBM Compatible
26 (C) **OPERATING SYSTEM:** DOS
27 (D) **SOFTWARE:** FastSEQ for Windows Version 2.0
28
29 (vi) **CURRENT APPLICATION DATA:**
30 (A) **APPLICATION NUMBER:** 09/017,735
31 (B) **FILING DATE:** 03-FEB-1998
32 (C) **CLASSIFICATION:**
33
34 (vii) **PRIOR APPLICATION DATA:**
35 (A) **APPLICATION NUMBER:** 08/589,108
36 (B) **FILING DATE:** 23-JAN-1996
37
38 (viii) **ATTORNEY/AGENT INFORMATION:**
39 (A) **NAME:** Bastian, Kevin L.
40 (B) **REGISTRATION NUMBER:** 34,774
41 (C) **REFERENCE/DOCKET NUMBER:** 018623-005890US
42
43 (ix) **TELECOMMUNICATION INFORMATION:**
44 (A) **TELEPHONE:** (415) 576-0200
45 (B) **TELEFAX:** (415) 576-0300
46 (C) **TELEX:****ENTERED**

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/017,735**DATE: 06/26/98
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47
48
49 (2) INFORMATION FOR SEQ ID NO:1:
50

51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 9 amino acids
53 (B) TYPE: amino acid
54 (C) STRANDEDNESS: single
55 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: peptide

57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

58
59 Phe Leu Tyr Asn Arg Pro Leu Ser Val
60 1 5

61 (2) INFORMATION FOR SEQ ID NO:2:
62

63 (i) SEQUENCE CHARACTERISTICS:
64 (A) LENGTH: 9 amino acids
65 (B) TYPE: amino acid
66 (C) STRANDEDNESS: single
67 (D) TOPOLOGY: linear

68 (ii) MOLECULE TYPE: peptide

69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

70
71 Val Leu Leu Pro Ser Leu Phe Leu Leu
72 1 5

73 (2) INFORMATION FOR SEQ ID NO:3:
74

75 (i) SEQUENCE CHARACTERISTICS:
76 (A) LENGTH: 9 amino acids
77 (B) TYPE: amino acid
78 (C) STRANDEDNESS: single
79 (D) TOPOLOGY: linear

80 (ii) MOLECULE TYPE: peptide

81 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

82
83 Leu Leu Pro Ser Leu Phe Leu Leu Leu
84 1 5

85 (2) INFORMATION FOR SEQ ID NO:4:
86

87 (i) SEQUENCE CHARACTERISTICS:
88 (A) LENGTH: 9 amino acids
89 (B) TYPE: amino acid
90 (C) STRANDEDNESS: single

**RAW SEQUENCE LISTING
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100 (D) TOPOLOGY: linear
101
102 (ii) MOLECULE TYPE: peptide
103
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
105
106 Phe Val Asp Tyr Asn Phe Thr Ile Val
107 1 5
108
109 (2) INFORMATION FOR SEQ ID NO:5:
110
111 (i) SEQUENCE CHARACTERISTICS:
112 (A) LENGTH: 9 amino acids
113 (B) TYPE: amino acid
114 (C) STRANDEDNESS: single
115 (D) TOPOLOGY: linear
116
117 (ii) MOLECULE TYPE: peptide
118
119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
120
121 Lys Leu Phe Pro Glu Val Ile Asp Leu
122 1 5
123
124 (2) INFORMATION FOR SEQ ID NO:6:
125
126 (i) SEQUENCE CHARACTERISTICS:
127 (A) LENGTH: 10 amino acids
128 (B) TYPE: amino acid
129 (C) STRANDEDNESS: single
130 (D) TOPOLOGY: linear
131
132 (ii) MOLECULE TYPE: peptide
133
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
135
136 Phe Leu Leu Leu Gly Leu Trp Gly Phe Ala
137 1 5 10
138
139 (2) INFORMATION FOR SEQ ID NO:7:
140
141 (i) SEQUENCE CHARACTERISTICS:
142 (A) LENGTH: 10 amino acids
143 (B) TYPE: amino acid
144 (C) STRANDEDNESS: single
145 (D) TOPOLOGY: linear
146
147 (ii) MOLECULE TYPE: peptide
148
149 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
150
151 Val Leu Leu Pro Ser Leu Phe Leu Leu
152 1 5 10

RAW SEQUENCE LISTING
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153
154 (2) INFORMATION FOR SEQ ID NO:8:
155

156 (i) SEQUENCE CHARACTERISTICS:
157 (A) LENGTH: 10 amino acids
158 (B) TYPE: amino acid
159 (C) STRANDEDNESS: single
160 (D) TOPOLOGY: linear

161
162 (ii) MOLECULE TYPE: peptide
163

164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
165

166 Leu Leu Tyr Ser Asp Asp Ala Leu His Leu
167 1 5 10

168

169 (2) INFORMATION FOR SEQ ID NO:9:
170

171 (i) SEQUENCE CHARACTERISTICS:
172 (A) LENGTH: 9 amino acids
173 (B) TYPE: amino acid
174 (C) STRANDEDNESS: single
175 (D) TOPOLOGY: linear

176
177 (ii) MOLECULE TYPE: peptide
178

179 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
180

181 Ala Ile Tyr His Pro Gln Gln Phe Val
182 1 5

183

184 (2) INFORMATION FOR SEQ ID NO:10:
185

186 (i) SEQUENCE CHARACTERISTICS:
187 (A) LENGTH: 9 amino acids
188 (B) TYPE: amino acid
189 (C) STRANDEDNESS: single
190 (D) TOPOLOGY: linear

191
192 (ii) MOLECULE TYPE: peptide
193

194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
195

196 Ala Met Lys Ala Asp Ile Gln His Val
197 1 5

198

199 (2) INFORMATION FOR SEQ ID NO:11:
200

201 (i) SEQUENCE CHARACTERISTICS:
202 (A) LENGTH: 9 amino acids
203 (B) TYPE: amino acid
204 (C) STRANDEDNESS: single
205 (D) TOPOLOGY: linear

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206
207 (ii) MOLECULE TYPE: peptide
208
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
210
211 Ala Met Leu Gln Asp Met Ala Ile Leu
212 1 5
213
214 (2) INFORMATION FOR SEQ ID NO:12:
215
216 (i) SEQUENCE CHARACTERISTICS:
217 (A) LENGTH: 9 amino acids
218 (B) TYPE: amino acid
219 (C) STRANDEDNESS: single
220 (D) TOPOLOGY: linear
221
222 (ii) MOLECULE TYPE: peptide
223
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
225
226 Asp Met Trp Glu His Ala Phe Tyr Leu
227 1 5
228
229 (2) INFORMATION FOR SEQ ID NO:13:
230
231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 9 amino acids
233 (B) TYPE: amino acid
234 (C) STRANDEDNESS: single
235 (D) TOPOLOGY: linear
236
237 (ii) MOLECULE TYPE: peptide
238
239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
240
241 Gly Leu Phe Leu Thr Thr Glu Ala Val
242 1 5
243
244 (2) INFORMATION FOR SEQ ID NO:14:
245
246 (i) SEQUENCE CHARACTERISTICS:
247 (A) LENGTH: 9 amino acids
248 (B) TYPE: amino acid
249 (C) STRANDEDNESS: single
250 (D) TOPOLOGY: linear
251
252 (ii) MOLECULE TYPE: peptide
253
254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
255
256 Ile Leu Phe Thr Phe Leu His Leu Ala
257 1 5
258

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/09/017,735**

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Original Text